

<b>Interview Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	09/888,636	DUNN, STANLEY E.
	<b>Examiner</b> Dang D Le	<b>Art Unit</b> 2834

All participants (applicant, applicant's representative, PTO personnel):

(1) Dang D Le. (3) \_\_\_\_\_.

(2) Mr. Joseph B. Lerch, Reg. No. 26,936. (4) \_\_\_\_\_.

Date of Interview: 16 January 2003.

Type: a) Telephonic b) Video Conference  
c) Personal [copy given to: 1) applicant 2) applicant's representative]

Exhibit shown or demonstration conducted: d) Yes e) No.  
If Yes, brief description: \_\_\_\_\_.

Claim(s) discussed: 1.

Identification of prior art discussed: Hahn and Nozawa.

Agreement with respect to the claims f) was reached. g) was not reached. h) N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: the applicant proposed to amend claim 1 to include the field producing assembly having a portion producing radial and axial field above a leakage level. Such amendment would overcome the last rejection. However, further consideration and search is required.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

i) It is not necessary for applicant to provide a separate record of the substance of the interview(if box is checked).

Unless the paragraph above has been checked, THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

1/16/03

Stanley E. Dunn  
Examiner's signature, if required

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

**PENDING CLAIMS**  
(09/888,636 - 0366/1E150US1)

(9/20/02) 1. An electro-mechanical machine, comprising:

a field producing assembly having a cup-shaped air gap which is circumferentially disposed about an axis of rotation, a portion of the air gap remote from the axis extending in a direction lateral to the remainder of the air gap, the field producing assembly producing a circumferential distribution of magnetic flux in the cup-shaped air gap having  $N$  periodic extremes of flux density about the axis, the flux in said portion being substantially perpendicular to the direction of extension of the portion; and

*the field producing assembly having a portion producing a substantially radial field and a portion producing a substantially axial field, both*

a cup-shaped electrical assembly disposed in the air gap and including a circular array of  $C$  non-overlapping coils on one of an inner and outer face of the electrical assembly;

the field producing and electrical assemblies being mounted so as to be relatively rotatable about said axis of rotation.

2. The machine of claim 1 comprising a circular array of  $C$  non-overlapping coils on each of an inner and outer face of the electrical assembly with the coils on one face being angularly offset from the coils on the other face.

3. The machine of claim 1 wherein each coil extends over two angularly disposed surfaces of said electrical assembly.

4. The machine of claim 3 wherein each coil is generally L-shaped in profile.

5. The machine of claim 3 wherein said coils are constructed so that each coil is wound to conduct current in an opposite rotational sense relative to a next adjacent coil.